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Acetylcholine

D-Cycloserine; Glycine site; NMDA receptor; Hippocampus; Working memory (Ohno, M. (318) 267)

Coronary microvessel; Nitroglycerin; Heart failure; L-Arginine; Nitric oxide (NO) (Larosa, G. (318) 387)

Acetylcholine release

5-HT receptor; Stomach fundus, rat; Contractile response (Amemiya, N. (318) 403)

Aconitine

TJN-505; Antiarrhythmic drug; Arrhythmia model, canine (Arita, J. (318) 333)

Acoustic startle response

Anxiety; AP-5; Caudal pontine reticular formation; Fear; Glutamate receptor (Fendt, M. (318) 1)

ACPC (1-aminocyclopropanecarboxylic acid)

Neuroprotection; NMDA receptor; Toxicity; Neuronal injury; Glycine; Excitatory amino acid (Lin, Y. (318) 491)

ACTH (adrenocorticotrophic hormone) fragment

γ -MSH (γ -melanocyte-stimulating hormone) fragment; Blood pressure; Heart rate; Cerebral blood flow; Structure-activity relationship; (Rat) (Van Bergen, P. (318) 357)

ACTH-(4–9) analogue

Streptozotocin-diabetic rat; Org 2766; Adrenergic responsiveness; Nerve blood flow; Macrocirculatory blood flow (Van Buren, T. (318) 73)

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Nitrobenzylthioinosine; Nucleoside transport; L-Adenosine (Foga, I.O. (318) 455)

L-Adenosine

Nitrobenzylthioinosine; Adenosine; Nucleoside transport (Foga, I.O. (318) 455)

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Nucleus accumbens; Caudate putamen; SKF 82958; cAMP (Unterwald, E.M. (318) 31)

Adrenergic responsiveness

Streptozotocin-diabetic rat; ACTH-(4–9) analogue; Org 2766; Nerve blood flow; Macrocirculatory blood flow (Van Buren, T. (318) 73)

Adrenergic transmission

Purinergic transmission; Contractile response; Circular muscle; Development; Vas deferens; (Guinea pig) (Ren, L.-M. (318) 411)

α_1 -Adrenoceptor

Ventricular pacing, rapid; Heart failure; Dorsal pedal artery; Saphenous vein; 5-Methyl-urapidil (Forster, C. (318) 55)

Ca^{2+} efflux; Smooth muscle; Ca^{2+} , intracellular (Lum Min, S.A. (318) 97)

Thalamus; α_{1A} -Adrenoceptor; α_{1B} -Adrenoceptor; α_{1C} -Adrenoceptor; Inositol phosphate (Trejo, F. (318) 175)

α_{1A} -Adrenoceptor

Thalamus; α_1 -Adrenoceptor; α_{1B} -Adrenoceptor; α_{1C} -Adrenoceptor; Inositol phosphate (Trejo, F. (318) 175)

α_{1B} -Adrenoceptor

Thalamus; α_1 -Adrenoceptor; α_{1A} -Adrenoceptor; α_{1C} -Adrenoceptor; Inositol phosphate (Trejo, F. (318) 175)

α_{1C} -Adrenoceptor

Thalamus; α_1 -Adrenoceptor; α_{1A} -Adrenoceptor; α_{1B} -Adrenoceptor; Inositol phosphate (Trejo, F. (318) 175)

β_2 -Adrenoceptor

Down-regulation; Salbutamol; Salmeterol; Formoterol; Lung, human (Nishikawa, M. (318) 123)

α_{2D} -Adrenoceptor

α_2 -Adrenoceptor, postjunctional; (Pithed rat) (Gavin, K. (318) 81)

α_2 -Adrenoceptor, postjunctional

α_{2D} -Adrenoceptor; (Pithed rat) (Gavin, K. (318) 81)

α_1 -Adrenoceptor, subtype

NS-49; Intraurethral pressure; Blood pressure (Taniguchi, N. (318) 117)

Airway hyperresponsiveness

Suplatast tosilate; Airway inflammation; Eosinophil; Lymphocyte; T cell (Taniguchi, H. (318) 447)

Airway inflammation

Suplatast tosilate; Airway hyperresponsiveness; Eosinophil; Lymphocyte; T cell (Taniguchi, H. (318) 447)

Aldose reductase

Anococcygeus muscle, rat; Diabetes; Nitrogenic neurotransmission; Nitric oxide (NO); Sorbinil (Way, K.J. (318) 101)

Alkaloid

Rutaecarpine; Platelet, human; cAMP; cGMP; Thromboxane A_2 ; Phosphoinositide (Sheu, J.-R. (318) 469)

Allergic reaction, early, late

Vagus nerve stimulation; Muscarinic M_2 receptor, prejunctional; Receptor dysfunction; Muscarinic receptor antagonist; Bronchial hyperresponsiveness; (Conscious, unrestrained guinea pig) (Ten Berge, R.E.J. (318) 131)

cAMP

Adenylyl cyclase; Nucleus accumbens; Caudate putamen; SKF 82958 (Unterwald, E.M. (318) 31)

Rutaecarpine; Alkaloid; Platelet, human; cGMP; Thromboxane A₂; Phosphoinositide (Sheu, J.-R. (318) 469)

Amphetamine

Polyamine; Putrescine; Spermidine; Spermine; NMDA (*N*-methyl-D-aspartate); Motor activity; MK-801; Theophylline; (Mouse) (Giménez-Llort, L. (318) 231)

Analgesia

Morphine; Opioid; Δ⁹-Tetrahydrocannabinol; SR-141,716 A; Dynorphin; Nor-binaltorphimine; β-Funaltrexamine; DAMGO ([D-Ala², *N*-Me-Phe⁴, Gly-ol³]enkephalin) (Reche, I. (318) 11)

Angiogenesis, embryonic

Wortmannin; Phosphatidylinositol 3-kinase inhibitor; Anti-angiogenic activity; Chorioallantoic membrane (Oikawa, T. (318) 93)

Angiotensin AT₁ receptor

Angiotensin II; Binding; Losartan; Aorta, rabbit; UR-7280 (De Arriba, A.F. (318) 341)

Angiotensin II

Angiotensin AT₁ receptor; Binding; Losartan; Aorta, rabbit; UR-7280 (De Arriba, A.F. (318) 341)

Antococcygeus muscle, rat

Aldose reductase; Diabetes; Nitrogenic neurotransmission; Nitric oxide (NO); Sorbinil (Way, K.J. (318) 101)

Anti-angiogenic activity

Wortmannin; Phosphatidylinositol 3-kinase inhibitor; Angiogenesis, embryonic; Chorioallantoic membrane (Oikawa, T. (318) 93)

Antiarrhythmic drug

TJN-505; Aconitine; Arrhythmia model, canine (Arita, J. (318) 333)

Antidepressant

Forced swimming test; 5-HT_{1A} receptor; 5-HT_{1B} receptor (Redrobe, J.P. (318) 213)

Antipsychotic drug

Autoradiography; [³H]AMPA (α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid); [³H]CNQX (6-cyano-7-nitro-quinoxaline-2,3-dione) (McCoy, L. (318) 41)

Anxiety

Acoustic startle response; AP-5; Caudal pontine reticular formation; Fear; Glutamate receptor (Fendt, M. (318) 1)

Anxiolysis

Benzodiazepine receptor, central; Flavonoid; Autoradiography; (Partial agonist) (Wolfman, C. (318) 23)

Aorta, rabbit

Angiotensin AT₁ receptor; Angiotensin II; Binding; Losartan; UR-7280 (De Arriba, A.F. (318) 341)

AP-5

Acoustic startle response; Anxiety; Caudal pontine reticular formation; Fear; Glutamate receptor (Fendt, M. (318) 1)

Apoptosis

Hydrogen peroxide; L-Histidine; DNA double-strand breaks; Pulsed field gel electrophoresis; Necrosis (Palomba, L. (318) 167)

L-Arginine

Coronary microvessel; Acetylcholine; Nitroglycerin; Heart failure; Nitric oxide (NO) (Larosa, G. (318) 387)

Arrhythmia model, canine

TJN-505; Aconitine; Antiarrhythmic drug (Arita, J. (318) 333)

Aspartate

GABA_B receptor; Microdialysis; Thalamus; Glutamate (Nyitrai, G. (318) 295)

Astrocytoma

Histamine; Histamine H₁ receptor; GABA (γ-aminobutyric acid); Glia; Ca²⁺ (Soria-Jasso, L.-E. (318) 185)

Autonomic nervous system

Opioid; Immunity; Lymphocyte proliferation; Sympathetic division; Parasympathetic division; (Rat) (Flores, L.R. (318) 437)

Autoradiography

Benzodiazepine receptor, central; Anxiolysis; Flavonoid; (Partial agonist) (Wolfman, C. (318) 23)

[³H]AMPA (α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid); [³H]CNQX (6-cyano-7-nitro-quinoxaline-2,3-dione); Antipsychotic drug (McCoy, L. (318) 41)

Glycine receptor, strychnine-sensitive; [³H]Strychnine binding; Spinal cord, rat; Thiocolchicoside; Myorelaxant agent (Cimino, M. (318) 201)

Neuropeptide Y; Neuropeptide Y-(2–36); SK-N-MC cell; SK-N-BE(2) cell (Schober, D.A. (318) 307)

Baculovirus

Opioid receptor; 'High Five'; Sf9; Insect cell (Obermeier, H. (318) 161)

Balloon injury

Tranilast; Hyperplasia, intimal; Cholesterol, high (Fukuyama, J. (318) 327)

BC 264

Cholecystokinin; CCK-8; CCK_B receptor antagonist; L-365,260; De-vazepide; CCK_A receptor antagonist; Depression; Stress; Forced-swimming test; RB 101; Enkephalin catabolism inhibitor (Hernando, F. (318) 221)

Benzodiazepine receptor, central

Anxiolysis; Flavonoid; Autoradiography; (Partial agonist) (Wolfman, C. (318) 23)

Binding

Angiotensin AT₁ receptor; Angiotensin II; Losartan; Aorta, rabbit; UR-7280 (De Arriba, A.F. (318) 341)

BK_{Ca} channel

Bladder detrusor, guinea pig; Patch-clamp; Whole-cell recording; Inside-out single channel recording; Open-state probability (Hu, S. (318) 461)

Bladder detrusor, guinea pig

Patch-clamp; BK_{Ca} channel; Whole-cell recording; Inside-out single channel recording; Open-state probability (Hu, S. (318) 461)

Blood–brain barrier

GLUT1 transporter; Glucose; Chlorambucil; Erythrocyte (Halmos, T. (318) 477)

Blood pressure

NS-49; α₁-Adrenoceptor, subtype; Intraurethral pressure (Taniguchi, N. (318) 117)

γ -MSH (γ -melanocyte-stimulating hormone) fragment; ACTH (adrenocorticotrophic hormone) fragment; Heart rate; Cerebral blood flow; Structure-activity relationship; (Rat) (Van Bergen, P. (318) 357)

Tachykinin receptor antagonist; Substance P; Tachykinin NK₁ receptor; Salivation (Cellier, E. (318) 377)

Bosentan

Endothelin-1; Endothelin receptor antagonist; PD155080; Clearance; Half-life; Vascular effect (Hemsén, A. (318) 369)

Bronchial hyperresponsiveness

Vagus nerve stimulation; Muscarinic M₂ receptor, prejunctional; Receptor dysfunction; Muscarinic receptor antagonist; Allergic reaction, early, late; (Conscious, unrestrained guinea pig) (Ten Berge, R.E.J. (318) 131)

Ca²⁺

Histamine; Histamine H₁ receptor; Astrocytoma; GABA (γ -aminobutyric acid); Glia (Soria-Jasso, L.-E. (318) 185)

Isoproterenol; Cardiac hypertrophy; Force-frequency response; (Rat) (Tang, L. (318) 349)

Ca²⁺-ATPase

Cyclopiazonic acid; Sarcoplasmic reticulum; Smooth muscle; Stomach; Contraction (Petkov, G.V. (318) 109)

Ca²⁺, dendritic

Long-term depression; Metabotropic receptor (Otani, S. (318) R5)

Ca²⁺ efflux

Smooth muscle; Ca²⁺, intracellular; α_1 -Adrenoceptor (Lum Min, S.A. (318) 97)

Ca²⁺, intracellular

Ca²⁺ efflux; Smooth muscle; α_1 -Adrenoceptor (Lum Min, S.A. (318) 97)

Cardiac hypertrophy

Isoproterenol; Force-frequency response; Ca²⁺; (Rat) (Tang, L. (318) 349)

Cation regulation

Neuropeptide Y receptor, Y₁ subtype; Neuropeptide Y receptor, Y₂ subtype (Parker, M.S. (318) 193)

Caudal pontine reticular formation

Acoustic startle response; Anxiety; AP-5; Fear; Glutamate receptor (Fendt, M. (318) 1)

Caudate putamen

Adenyl cyclase; Nucleus accumbens; SKF 82958; cAMP (Unterwald, E.M. (318) 31)

CCK-8

Cholecystokinin; BC 264; CCK_B receptor antagonist; L-365,260; Devazepide; CCK_A receptor antagonist; Depression; Stress; Forced-swimming test; RB 101; Enkephalin catabolism inhibitor (Hernando, F. (318) 221)

CCK_A receptor antagonist

Cholecystokinin; CCK-8; BC 264; CCK_B receptor antagonist; L-365,260; Devazepide; Depression; Stress; Forced-swimming test; RB 101; Enkephalin catabolism inhibitor (Hernando, F. (318) 221)

CCK_B receptor antagonist

Cholecystokinin; CCK-8; BC 264; L-365,260; Devazepide; CCK_A receptor antagonist; Depression; Stress; Forced-swimming test; RB 101; Enkephalin catabolism inhibitor (Hernando, F. (318) 221)

Cerebral blood flow

γ -MSH (γ -melanocyte-stimulating hormone) fragment; ACTH (adrenocorticotrophic hormone) fragment; Blood pressure; Heart rate; Structure-activity relationship; (Rat) (Van Bergen, P. (318) 357)

c-fos

Dopamine D₃ receptor; Hybridization in situ; Neuroleptic; (Rat) (Hurley, M.J. (318) 283)

Chlorambucil

GLUT1 transporter; Glucose; Blood-brain barrier; Erythrocyte (Halmos, T. (318) 477)

Cholecystokinin

CCK-8; BC 264; CCK_B receptor antagonist; L-365,260; Devazepide; CCK_A receptor antagonist; Depression; Stress; Forced-swimming test; RB 101; Enkephalin catabolism inhibitor (Hernando, F. (318) 221)

Cholesterol, high

Tranilast; Hyperplasia, intimal; Balloon injury (Fukuyama, J. (318) 327)

Chorioallantoic membrane

Wortmannin; Phosphatidylinositol 3-kinase inhibitor; Anti-angiogenic activity; Angiogenesis, embryonic (Oikawa, T. (318) 93)

Circular muscle

Adrenergic transmission; Purinergic transmission; Contractile response; Development; Vas deferens; (Guinea pig) (Ren, L.-M. (318) 411)

Clearance

Endothelin-1; Endothelin receptor antagonist; Bosentan; PD155080; Half-life; Vascular effect (Hemsén, A. (318) 369)

Cocaine

Microdialysis, brain; Dopamine; 5-HT (5-hydroxytryptamine, serotonin); Striatum (Norton, C.S. (318) 323)

Cognitive function

Nimodipine; Metrifonate; EEG (electroencephalograph), cortical; (Rat) (Jäkälä, P. (318) 239)

Colonic distension

5-HT₃ receptor antagonist; Visceral hypersensitivity; (Rat) (Langlois, A. (318) 141)

Contractile response

5-HT receptor; Stomach fundus, rat; Acetylcholine release (Amemiya, N. (318) 403)

Adrenergic transmission; Purinergic transmission; Circular muscle; Development; Vas deferens; (Guinea pig) (Ren, L.-M. (318) 411)

Contraction

Cyclopiazonic acid; Ca²⁺-ATPase; Sarcoplasmic reticulum; Smooth muscle; Stomach (Petkov, G.V. (318) 109)

Coronary artery, bovine

Vascular heterogeneity; Glyceryl trinitrate; S-Nitroso-N-acetylpenicillamine; Sodium nitroprusside; Isoprenaline (De la Lande, I.S. (318) 65)

Coronary microvessel

Acetylcholine; Nitroglycerin; Heart failure; L-Arginine; Nitric oxide (NO) (Larosa, G. (318) 387)

Cyclopiazonic acid

Ca²⁺-ATPase; Sarcoplasmic reticulum; Smooth muscle; Stomach; Contraction (Petkov, G.V. (318) 109)

D-Cycloserine

Glycine site; NMDA receptor; Acetylcholine; Hippocampus; Working memory (Ohno, M. (318) 267)

DAMGO ([D-Ala², N-Me-Phe⁴, Gly-ol⁵]enkephalin)

Analgesia; Morphine; Opioid; Δ⁹-Tetrahydrocannabinol; SR-141,716 A; Dynorphin; Nor-binaltorphimine; β-Funaltrexamine (Reche, I. (318) 11)

Depression

Cholecystokinin; CCK-8; BC 264; CCK_B receptor antagonist; L-365,260; Devazepide; CCK_A receptor antagonist; Stress; Forced-swimming test; RB 101; Enkephalin catabolism inhibitor (Hernando, F. (318) 221)

Descending inhibition

Nociception; Non-steroidal anti-inflammatory drug; Raphe magnus (Jones, S.L. (318) 37)

Devazepide

Cholecystokinin; CCK-8; BC 264; CCK_B receptor antagonist; L-365,260; CCK_A receptor antagonist; Depression; Stress; Forced-swimming test; RB 101; Enkephalin catabolism inhibitor (Hernando, F. (318) 221)

Development

Adrenergic transmission; Purinergic transmission; Contractile response; Circular muscle; Vas deferens; (Guinea pig) (Ren, L.-M. (318) 411)

Diabetes

Aldose reductase; Anococcygeus muscle, rat; Nitrogenic neurotransmission; Nitric oxide (NO); Sorbinil (Way, K.J. (318) 101)

Methamphetamine; Place preference; Dopamine D₃ receptor; Mesolimbic dopamine system; 7-OH-DPAT (7-hydroxy-2-(di-*n*-propylamino)tetralin) (Kamei, J. (318) 251)

Dizocilpine

σ Receptor; Phencyclidine (PCP) receptor; Head-weaving behavior; (Rat) (Kitaichi, K. (318) 205)

DNA double-strand breaks

Hydrogen peroxide; L-Histidine; Pulsed field gel electrophoresis; Apoptosis; Necrosis (Palomba, L. (318) 167)

Dopamine

Ethanol preference; SKF 38393; Raclopride; 7-OH-DPAT (7-hydroxy-2-(di-*n*-propylamino)tetralin); Risperidone; SCH 23390; (Rat) (Silvestre, J.S. (318) 257)

Microdialysis, brain; Cocaine; 5-HT (5-hydroxytryptamine, serotonin); Striatum (Norton, C.S. (318) 323)

Dopamine D₃ receptor

Diabetes; Methamphetamine; Place preference; Mesolimbic dopamine system; 7-OH-DPAT (7-hydroxy-2-(di-*n*-propylamino)tetralin) (Kamei, J. (318) 251)

c-fos; Hybridization in situ; Neuroleptic; (Rat) (Hurley, M.J. (318) 283)

Dopamine metabolism

Nicotine; Tolerance; Striatum, mouse; Dopamine receptor (Pietilä, K. (318) 17)

Dopamine receptor

Nicotine; Tolerance; Dopamine metabolism; Striatum, mouse (Pietilä, K. (318) 17)

Dorsal pedal artery

Ventricular pacing, rapid; Heart failure; Saphenous vein; α₁-Adrenoceptor; 5-Methyl-urapidil (Forster, C. (318) 55)

Down-regulation

β₂-Adrenoceptor; Salbutamol; Salmeterol; Formoterol; Lung, human (Nishikawa, M. (318) 123)

Dynorphin

Analgesia; Morphine; Opioid; Δ⁹-Tetrahydrocannabinol; SR-141,716 A; Nor-binaltorphimine; β-Funaltrexamine; DAMGO ([D-Ala², N-Me-Phe⁴, Gly-ol⁵]enkephalin) (Reche, I. (318) 11)

EEG (electroencephalograph), cortical

Nimodipine; Metrifonate; Cognitive function; (Rat) (Jäkälä, P. (318) 239)

Electrical field stimulation

5-HT (5-hydroxytryptamine, serotonin); 5-HT₃ receptor; Urinary bladder; (Rabbit) (Barras, M. (318) 425)

Endocrine pancreas

Vanadyl sulphate; Insulin secretion; (Rat) (Cadène, A. (318) 145)

Endothelin

Endothelium; Smooth muscle, vascular; Hyperpolarization (Waldron, G.J. (318) 89)

Endothelin-1

Endothelin receptor antagonist; Bosentan; PD155080; Clearance; Half-life; Vascular effect (Hemsén, A. (318) 369)

Endothelin receptor antagonist

Endothelin-1; Bosentan; PD155080; Clearance; Half-life; Vascular effect (Hemsén, A. (318) 369)

Endothelium

Smooth muscle, vascular; Hyperpolarization; Endothelin (Waldron, G.J. (318) 89)

Enkephalin catabolism inhibitor

Cholecystokinin; CCK-8; BC 264; CCK_B receptor antagonist; L-365,260; Devazepide; CCK_A receptor antagonist; Depression; Stress; Forced-swimming test; RB 101 (Hernando, F. (318) 221)

Eosinophil

Suplatast tosilate; Airway inflammation; Airway hyperresponsiveness; Lymphocyte; T cell (Taniguchi, H. (318) 447)

Erythrocyte

GLUT1 transporter; Glucose; Chlorambucil; Blood-brain barrier (Halmos, T. (318) 477)

Ethanol preference

Dopamine; SKF 38393; Raclopride; 7-OH-DPAT (7-hydroxy-2-(di-*n*-propylamino)tetralin); Risperidone; SCH 23390; (Rat) (Silvestre, J.S. (318) 257)

Excitatory amino acid

ACPC (1-aminocyclopropanecarboxylic acid); Neuroprotection; NMDA receptor; Toxicity; Neuronal injury; Glycine (Lin, Y. (318) 491)

Fear

Acoustic startle response; Anxiety; AP-5; Caudal pontine reticular formation; Glutamate receptor (Fendt, M. (318) 1)

Flavonoid

Benzodiazepine receptor, central; Anxiolysis; Autoradiography; (Partial agonist) (Wolfman, C. (318) 23)

Flexor reflex

Galanin; GMAP (galanin message-associated peptide), fragments; Nociception; Spinal cord (Xu, X.-J. (318) 301)

Forced swimming test

5-HT_{1A} receptor; 5-HT_{1B} receptor; Antidepressant (Redrobe, J.P. (318) 213)

Forced-swimming test

Cholecystokinin; CCK-8; BC 264; CCK_B receptor antagonist; L-365,260; Devazepide; CCK_A receptor antagonist; Depression; Stress; RB 101; Enkephalin catabolism inhibitor (Hernando, F. (318) 221)

Force-frequency response

Isoproterenol; Cardiac hypertrophy; Ca²⁺; (Rat) (Tang, L. (318) 349)

Formoterol

Down-regulation; β₂-Adrenoceptor; Salbutamol; Salmeterol; Lung, human (Nishikawa, M. (318) 123)

β-Funaltrexamine

Analgesia; Morphine; Opioid; Δ⁹-Tetrahydrocannabinol; SR-141,716 A; Dynorphin; Nor-binaltorphimine; DAMGO ([D-Ala², N-Me-Phe⁴, Glyol⁵]enkephalin) (Reche, I. (318) 11)

GABA (γ-aminobutyric acid)

Histamine; Histamine H₁ receptor; Astrocytoma; Glia; Ca²⁺ (Soria-Jasso, L.-E. (318) 185)

GABA_B receptor

Microdialysis; Thalamus; Aspartate; Glutamate (Nyitrai, G. (318) 295)

Galanin

Flexor reflex; GMAP (galanin message-associated peptide), fragments; Nociception; Spinal cord (Xu, X.-J. (318) 301)

Glia

Histamine; Histamine H₁ receptor; Astrocytoma; GABA (γ-aminobutyric acid); Ca²⁺ (Soria-Jasso, L.-E. (318) 185)

GLP-1(7–34)

GLP-1 (glucagon-like peptide-1); GLP-1(7–36) amide; GLP-1(9–36) amide; GLP-1(7–35); Receptor binding; Receptor activation; (Metabolite) (Knudsen, L.B. (318) 429)

GLP-1(7–35)

GLP-1 (glucagon-like peptide-1); GLP-1(7–36) amide; GLP-1(9–36) amide; GLP-1(7–34); Receptor binding; Receptor activation; (Metabolite) (Knudsen, L.B. (318) 429)

GLP-1(7–36) amide

GLP-1 (glucagon-like peptide-1); GLP-1(9–36) amide; GLP-1(7–35); GLP-1(7–34); Receptor binding; Receptor activation; (Metabolite) (Knudsen, L.B. (318) 429)

GLP-1(9–36) amide

GLP-1 (glucagon-like peptide-1); GLP-1(7–36) amide; GLP-1(7–35); GLP-1(7–34); Receptor binding; Receptor activation; (Metabolite) (Knudsen, L.B. (318) 429)

GLP-1 (glucagon-like peptide-1)

GLP-1(7–36) amide; GLP-1(9–36) amide; GLP-1(7–35); GLP-1(7–34); Receptor binding; Receptor activation; (Metabolite) (Knudsen, L.B. (318) 429)

Glucose

GLUT1 transporter; Chlorambucil; Blood–brain barrier; Erythrocyte (Halmos, T. (318) 477)

Glutamate

GABA_B receptor; Microdialysis; Thalamus; Aspartate (Nyitrai, G. (318) 295)

Glutamate receptor

Acoustic startle response; Anxiety; AP-5; Caudal pontine reticular formation; Fear (Fendt, M. (318) 1)

GLUT1 transporter

Glucose; Chlorambucil; Blood–brain barrier; Erythrocyte (Halmos, T. (318) 477)

Glyceryl trinitrate

Vascular heterogeneity; Coronary artery, bovine; S-Nitroso-N-acetylpenicillamine; Sodium nitroprusside; Isoprenaline (De la Lande, I.S. (318) 65)

Glycine

ACPC (1-aminocyclopropanecarboxylic acid); Neuroprotection; NMDA receptor; Toxicity; Neuronal injury; Excitatory amino acid (Lin, Y. (318) 491)

Glycine receptor, strychnine-sensitive

[³H]Strychnine binding; Spinal cord, rat; Autoradiography; Thiocolchicoside; Myorelaxant agent (Cimino, M. (318) 201)

Glycine site

D-Cycloserine; NMDA receptor; Acetylcholine; Hippocampus; Working memory (Ohno, M. (318) 267)

GMAP (galanin message-associated peptide), fragments

Flexor reflex; Galanin; Nociception; Spinal cord (Xu, X.-J. (318) 301)

cGMP

S-nitrosothiol (stereoisomer); Nitric oxide (NO); Vascular smooth muscle (Travis, M.D. (318) 47)

Rutaecarpine; Alkaloid; Platelet, human; cAMP; Thromboxane A₂; Phosphoinositide (Sheu, J.-R. (318) 469)

Half-life

Endothelin-1; Endothelin receptor antagonist; Bosentan; PD155080; Clearance; Vascular effect (Hemsén, A. (318) 369)

[³H]AMPA (α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid)

Autoradiography; [³H]CNQX (6-cyano-7-nitro-quinoxaline-2,3-dione); Antipsychotic drug (McCoy, L. (318) 41)

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Head-weaving behavior

σ Receptor; Phencyclidine (PCP) receptor; Dizocilpine; (Rat) (Kitaichi, K. (318) 205)

Heart failure

Ventricular pacing, rapid; Dorsal pedal artery; Saphenous vein; α₁-Adrenoceptor; 5-Methyl-urapidil (Forster, C. (318) 55)

Coronary microvessel; Acetylcholine; Nitroglycerin; L-Arginine; Nitric oxide (NO) (Larosa, G. (318) 387)

Heart rate

γ -MSH (γ -melanocyte-stimulating hormone) fragment; ACTH (adrenocorticotrophic hormone) fragment; Blood pressure; Cerebral blood flow; Structure-activity relationship; (Rat) (Van Bergen, P. (318) 357)

'High Five'

Opioid receptor; Baculovirus; Sf9; Insect cell (Obermeier, H. (318) 161)

Hippocampus

D-Cycloserine; Glycine site; NMDA receptor; Acetylcholine; Working memory (Ohno, M. (318) 267)

Histamine

Histamine H_1 receptor; Astrocytoma; GABA (γ -aminobutyric acid); Glia; Ca^{2+} (Soria-Jasso, L.-E. (318) 185)

Histamine H_1 receptor

Histamine; Astrocytoma; GABA (γ -aminobutyric acid); Glia; Ca^{2+} (Soria-Jasso, L.-E. (318) 185)

Ureter; Histamine receptor; Histamine H_2 receptor; 5-HT (5-hydroxytryptamine, serotonin); Prostaglandin; Noradrenaline (Dodel, R.C. (318) 395)

Histamine H_2 receptor

Ureter; Histamine receptor; Histamine H_1 receptor; 5-HT (5-hydroxytryptamine, serotonin); Prostaglandin; Noradrenaline (Dodel, R.C. (318) 395)

Histamine receptor

Ureter; Histamine H_1 receptor; Histamine H_2 receptor; 5-HT (5-hydroxytryptamine, serotonin); Prostaglandin; Noradrenaline (Dodel, R.C. (318) 395)

L-Histidine

Hydrogen peroxide; DNA double-strand breaks; Pulsed field gel electrophoresis; Apoptosis; Necrosis (Palomba, L. (318) 167)

[3H]Strychnine binding

Glycine receptor, strychnine-sensitive; Spinal cord, rat; Autoradiography; Thiocolchicoside; Myorelaxant agent (Cimino, M. (318) 201)

5-HT (5-hydroxytryptamine, serotonin)

Spinal cord; Pain; Nociception; 5-HT $_{1A}$ receptor; 8-OH-DPAT (8-hydroxy-2-(di-*n*-propylamino)tetralin); WAY100635 (Gjerstad, J. (318) 315)

Microdialysis, brain; Cocaine; Dopamine; Striatum (Norton, C.S. (318) 323)

Ureter; Histamine receptor; Histamine H_1 receptor; Histamine H_2 receptor; Prostaglandin; Noradrenaline (Dodel, R.C. (318) 395)

5-HT $_3$ receptor; Urinary bladder; Electrical field stimulation; (Rabbit) (Barras, M. (318) 425)

Small-cell lung carcinoma; Receptor cross-talk; 5-HT receptor subtype (Vicentini, L.M. (318) 497)

5-HT receptor

Stomach fundus, rat; Contractile response; Acetylcholine release (Amemiya, N. (318) 403)

5-HT $_{1A}$ receptor

Forced swimming test; 5-HT $_{1B}$ receptor; Antidepressant (Redrobe, J.P. (318) 213)

Spinal cord; Pain; Nociception; 5-HT (5-hydroxytryptamine, serotonin); 8-OH-DPAT (8-hydroxy-2-(di-*n*-propylamino)tetralin); WAY100635 (Gjerstad, J. (318) 315)

5-HT $_{1B}$ receptor

Forced swimming test; 5-HT $_{1A}$ receptor; Antidepressant (Redrobe, J.P. (318) 213)

5-HT $_3$ receptor

5-HT (5-hydroxytryptamine, serotonin); Urinary bladder; Electrical field stimulation; (Rabbit) (Barras, M. (318) 425)

5-HT $_3$ receptor antagonist

Visceral hypersensitivity; Colonic distension; (Rat) (Langlois, A. (318) 141)

5-HT receptor subtype

5-HT (5-hydroxytryptamine, serotonin); Small-cell lung carcinoma; Receptor cross-talk (Vicentini, L.M. (318) 497)

Hybridization in situ

Dopamine D_3 receptor; *c-fos*; Neuroleptic; (Rat) (Hurley, M.J. (318) 283)

Hydrogen peroxide

L-Histidine; DNA double-strand breaks; Pulsed field gel electrophoresis; Apoptosis; Necrosis (Palomba, L. (318) 167)

Hyperplasia, intimal

Tranilast; Balloon injury; Cholesterol, high (Fukuyama, J. (318) 327)

Hyperpolarization

Endothelium; Smooth muscle, vascular; Endothelin (Waldron, G.J. (318) 89)

Immunity

Opioid; Lymphocyte proliferation; Autonomic nervous system; Sympathetic division; Parasympathetic division; (Rat) (Flores, L.R. (318) 437)

Inositol phosphate

Thalamus; α_1 -Adrenoceptor; α_{1A} -Adrenoceptor; α_{1B} -Adrenoceptor; α_{1C} -Adrenoceptor (Trejo, F. (318) 175)

Insect cell

Opioid receptor; Baculovirus; 'High Five'; Sf9 (Obermeier, H. (318) 161)

Inside-out single channel recording

Bladder detrusor, guinea pig; Patch-clamp; BK $_{Ca}$ channel; Whole-cell recording; Open-state probability (Hu, S. (318) 461)

Insulin secretion

Vanadyl sulphate; Endocrine pancreas; (Rat) (Cadène, A. (318) 145)

Intestinal motility

Smooth muscle; Tachykinin receptor agonist; Tachykinin receptor antagonist (Parlani, M. (318) 419)

Intraurethral pressure

NS-49; α_1 -Adrenoceptor, subtype; Blood pressure (Taniguchi, N. (318) 117)

Isoprenaline

Vascular heterogeneity; Coronary artery, bovine; Glyceryl trinitrate; *S*-Nitroso-*N*-acetylpenicillamine; Sodium nitroprusside (De la Lande, I.S. (318) 65)

Isoproterenol

Cardiac hypertrophy; Force-frequency response; Ca^{2+} ; (Rat) (Tang, L. (318) 349)

L-365,260

Cholecystokinin; CCK-8; BC 264; CCK $_B$ receptor antagonist; Devazepide; CCK $_A$ receptor antagonist; Depression; Stress; Forced-swimming test; RB 101; Enkephalin catabolism inhibitor (Hernando, F. (318) 221)

[Leu³¹,Pro³⁴]Peptide YY

Neuropeptide Y; Pancreatic polypeptide; Peptide YY (Gehlert, D.R. (318) 485)

Ligand binding thermodynamics

δ-Opioid receptor; Pharmacophore; Model (Maguire, P.A. (318) 505)

Long-term depression

Ca²⁺, dendritic; Metabotropic receptor (Otani, S. (318) R5)

Losartan

Angiotensin AT₁ receptor; Angiotensin II; Binding; Aorta, rabbit; UR-7280 (De Arriba, A.F. (318) 341)

Lung, human

Down-regulation; β₂-Adrenoceptor; Salbutamol; Salmeterol; Formoterol (Nishikawa, M. (318) 123)

Lymphocyte

Suplatast tosilate; Airway inflammation; Airway hyperresponsiveness; Eosinophil; T cell (Taniguchi, H. (318) 447)

Lymphocyte proliferation

Opioid; Immunity; Autonomic nervous system; Sympathetic division; Parasympathetic division; (Rat) (Flores, L.R. (318) 437)

Macrocirculatory blood flow

Streptozotocin-diabetic rat; ACTH-(4–9) analogue; Org 2766; Adrenergic responsiveness; Nerve blood flow (Van Buren, T. (318) 73)

Mesolimbic dopamine system

Diabetes; Methamphetamine; Place preference; Dopamine D₃ receptor; 7-OH-DPAT (7-hydroxy-2-(di-*n*-propylamino)tetralin) (Kamei, J. (318) 251)

Metabotropic receptor

Long-term depression; Ca²⁺, dendritic (Otani, S. (318) R5)

Methamphetamine

Diabetes; Place preference; Dopamine D₃ receptor; Mesolimbic dopamine system; 7-OH-DPAT (7-hydroxy-2-(di-*n*-propylamino)tetralin) (Kamei, J. (318) 251)

5-Methyl-urapidil

Ventricular pacing, rapid; Heart failure; Dorsal pedal artery; Saphenous vein; α₁-Adrenoceptor (Forster, C. (318) 55)

Metrifonate

Nimodipine; Cognitive function; EEG (electroencephalograph), cortical; (Rat) (Jäkälä, P. (318) 239)

Microdialysis

GABA_B receptor; Thalamus; Aspartate; Glutamate (Nyitrai, G. (318) 295)

Microdialysis, brain

Cocaine; Dopamine; 5-HT (5-hydroxytryptamine, serotonin); Striatum (Norton, C.S. (318) 323)

MK-801

Polyamine; Putrescine; Spermidine; Spermine; NMDA (*N*-methyl-D-aspartate); Motor activity; Amphetamine; Theophylline; (Mouse) (Giménez-Llort, L. (318) 231)

Model

δ-Opioid receptor; Ligand binding thermodynamics; Pharmacophore (Maguire, P.A. (318) 505)

Mononeuropathic rat

Neuropathic pain; Morphine; Tolerance; Opioid receptor agonist (Catheline, G. (318) 273)

Morphine

Analgesia; Opioid; Δ⁹-Tetrahydrocannabinol; SR-141,716 A; Dynorphin; Nor-binaltorphimine; β-Funaltrexamine; DAMGO ([D-Ala²,*N*-Me-Phe⁴,Gly-ol⁵]enkephalin) (Reche, I. (318) 11)

Neuropathic pain; Mononeuropathic rat; Tolerance; Opioid receptor agonist (Catheline, G. (318) 273)

Motor activity

Polyamine; Putrescine; Spermidine; Spermine; NMDA (*N*-methyl-D-aspartate); MK-801; Amphetamine; Theophylline; (Mouse) (Giménez-Llort, L. (318) 231)

γ-MSH (γ-melanocyte-stimulating hormone) fragment

ACTH (adrenocorticotrophic hormone) fragment; Blood pressure; Heart rate; Cerebral blood flow; Structure-activity relationship; (Rat) (Van Bergen, P. (318) 357)

Muscarinic M₂ receptor, prejunctional

Vagus nerve stimulation; Receptor dysfunction; Muscarinic receptor antagonist; Allergic reaction, early, late; Bronchial hyperresponsiveness; (Conscious, unrestrained guinea pig) (Ten Berge, R.E.J. (318) 131)

Muscarinic receptor antagonist

Vagus nerve stimulation; Muscarinic M₂ receptor, prejunctional; Receptor dysfunction; Allergic reaction, early, late; Bronchial hyperresponsiveness; (Conscious, unrestrained guinea pig) (Ten Berge, R.E.J. (318) 131)

Myorelaxant agent

Glycine receptor, strychnine-sensitive; [³H]Strychnine binding; Spinal cord, rat; Autoradiography; Thiocolchicoside (Cimino, M. (318) 201)

Necrosis

Hydrogen peroxide; L-Histidine; DNA double-strand breaks; Pulsed field gel electrophoresis; Apoptosis (Palomba, L. (318) 167)

Nerve blood flow

Streptozotocin-diabetic rat; ACTH-(4–9) analogue; Org 2766; Adrenergic responsiveness; Macrocirculatory blood flow (Van Buren, T. (318) 73)

Neuroleptic

Dopamine D₃ receptor; *c-fos*; Hybridization in situ; (Rat) (Hurley, M.J. (318) 283)

Neuronal injury

ACPC (1-aminocyclopropanecarboxylic acid); Neuroprotection; NMDA receptor; Toxicity; Glycine; Excitatory amino acid (Lin, Y. (318) 491)

Neuropathic pain

Mononeuropathic rat; Morphine; Tolerance; Opioid receptor agonist (Catheline, G. (318) 273)

Neuropeptide Y

Neuropeptide Y-(2–36); SK-N-MC cell; SK-N-BE(2) cell; Autoradiography (Schober, D.A. (318) 307)

Pancreatic polypeptide; Peptide YY; [Leu³¹,Pro³⁴]Peptide YY (Gehlert, D.R. (318) 485)

Pancreatic polypeptide; Neuropeptide Y receptor, Y₄ and Y₅ subtype (Trinh, T. (318) R1)

Neuropeptide Y-(2–36)

Neuropeptide Y; SK-N-MC cell; SK-N-BE(2) cell; Autoradiography (Schober, D.A. (318) 307)

Neuropeptide Y receptor, Y₁ subtype

Neuropeptide Y receptor, Y₂ subtype; Cation regulation (Parker, M.S. (318) 193)

Neuropeptide Y receptor, Y₂ subtype

Neuropeptide Y receptor, Y₁ subtype; Cation regulation (Parker, M.S. (318) 193)

Neuropeptide Y receptor, Y₄ and Y₅ subtype

Neuropeptide Y; Pancreatic polypeptide (Trinh, T. (318) R1)

Neuroprotection

ACPC (1-aminocyclopropanecarboxylic acid); NMDA receptor; Toxicity; Neuronal injury; Glycine; Excitatory amino acid (Lin, Y. (318) 491)

Nicotine

Tolerance; Dopamine metabolism; Striatum, mouse; Dopamine receptor (Pietilä, K. (318) 17)

Nimodipine

Metrifonate; Cognitive function; EEG (electroencephalograph), cortical; (Rat) (Jäkälä, P. (318) 239)

Nitrgic neurotransmission

Aldose reductase; Anococcygeus muscle, rat; Diabetes; Nitric oxide (NO); Sorbinil (Way, K.J. (318) 101)

Nitric oxide (NO)

S-nitrosothiol (stereoisomer); cGMP; Vascular smooth muscle (Travis, M.D. (318) 47)

Aldose reductase; Anococcygeus muscle, rat; Diabetes; Nitrgic neurotransmission; Sorbinil (Way, K.J. (318) 101)

Coronary microvessel; Acetylcholine; Nitroglycerin; Heart failure; L-Arginine (Larosa, G. (318) 387)

Nitrobenzylthioinosine

Adenosine; Nucleoside transport; L-Adenosine (Foga, I.O. (318) 455)

Nitroglycerin

Coronary microvessel; Acetylcholine; Heart failure; L-Arginine; Nitric oxide (NO) (Larosa, G. (318) 387)

S-Nitroso-N-acetylpenicillamine

Vascular heterogeneity; Coronary artery, bovine; Glyceryl trinitrate; Sodium nitroprusside; Isoprenaline (De la Lande, I.S. (318) 65)

NMDA (N-methyl-D-aspartate)

Polyamine; Putrescine; Spermidine; Spermine; Motor activity; MK-801; Amphetamine; Theophylline; (Mouse) (Giménez-Llort, L. (318) 231)

NMDA receptor

D-Cycloserine; Glycine site; Acetylcholine; Hippocampus; Working memory (Ohno, M. (318) 267)

ACPC (1-aminocyclopropanecarboxylic acid); Neuroprotection; Toxicity; Neuronal injury; Glycine; Excitatory amino acid (Lin, Y. (318) 491)

Nociception

Descending inhibition; Non-steroidal anti-inflammatory drug; Raphe magnus (Jones, S.L. (318) 37)

Flexor reflex; Galanin; GMAP (galanin message-associated peptide), fragments; Spinal cord (Xu, X.-J. (318) 301)

Spinal cord; Pain; 5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1A} receptor; 8-OH-DPAT (8-hydroxy-2-(di-*n*-propylamino)tetralin); WAY100635 (Gjerstad, J. (318) 315)

Non-steroidal anti-inflammatory drug

Descending inhibition; Nociception; Raphe magnus (Jones, S.L. (318) 37)

Noradrenaline

Ureter; Histamine receptor; Histamine H₁ receptor; Histamine H₂ receptor; 5-HT (5-hydroxytryptamine, serotonin); Prostaglandin (Dodel, R.C. (318) 395)

Nor-binaltorphimine

Analgesia; Morphine; Opioid; Δ⁹-Tetrahydrocannabinol; SR-141,716 A; Dynorphin; β-Funaltrexamine; DAMGO ([D-Ala², N-Me-Phe⁴, Gly-ol⁵]enkephalin) (Reche, I. (318) 11)

NS-49

α₁-Adrenoceptor, subtype; Intraurethral pressure; Blood pressure (Taniuchi, N. (318) 117)

Nucleoside transport

Nitrobenzylthioinosine; Adenosine; L-Adenosine (Foga, I.O. (318) 455)

Nucleus accumbens

Adenylyl cyclase; Caudate putamen; SKF 82958; cAMP (Unterwald, E.M. (318) 31)

7-OH-DPAT (7-hydroxy-2-(di-*n*-propylamino)tetralin)

Diabetes; Methamphetamine; Place preference; Dopamine D₃ receptor; Mesolimbic dopamine system (Kamei, J. (318) 251)

Ethanol preference; Dopamine; SKF 38393; Raclopride; Risperidone; SCH 23390; (Rat) (Silvestre, J.S. (318) 257)

8-OH-DPAT (8-hydroxy-2-(di-*n*-propylamino)tetralin)

Spinal cord; Pain; Nociception; 5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1A} receptor; WAY100635 (Gjerstad, J. (318) 315)

Open-state probability

Bladder detrusor, guinea pig; Patch-clamp; BK_{Ca} channel; Whole-cell recording; Inside-out single channel recording (Hu, S. (318) 461)

Opioid

Analgesia; Morphine; Δ⁹-Tetrahydrocannabinol; SR-141,716 A; Dynorphin; Nor-binaltorphimine; β-Funaltrexamine; DAMGO ([D-Ala², N-Me-Phe⁴, Gly-ol⁵]enkephalin) (Reche, I. (318) 11)

Immunity; Lymphocyte proliferation; Autonomic nervous system; Sympathetic division; Parasympathetic division; (Rat) (Flores, L.R. (318) 437)

Opioid receptor

Baculovirus; 'High Five'; Sf9; Insect cell (Obermeier, H. (318) 161)

δ-Opioid receptor

Ligand binding thermodynamics; Pharmacophore; Model (Maguire, P.A. (318) 505)

Opioid receptor agonist

Neuropathic pain; Mononeuropathic rat; Morphine; Tolerance (Catheline, G. (318) 273)

Org 2766

Streptozotocin-diabetic rat; ACTH-(4–9) analogue; Adrenergic responsiveness; Nerve blood flow; Macrocirculatory blood flow (Van Buren, T. (318) 73)

Pain

Spinal cord; Nociception; 5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1A} receptor; 8-OH-DPAT (8-hydroxy-2-(di-*n*-propylamino)tetralin); WAY100635 (Gjerstad, J. (318) 315)

Pancreatic polypeptide

Neuropeptide Y; Peptide YY; [Leu³¹,Pro³⁴]Peptide YY (Gehlert, D.R. (318) 485)

Neuropeptide Y; Neuropeptide Y receptor, Y₄ and Y₅ subtype (Trinh, T. (318) R1)

Parasympathetic division

Opioid; Immunity; Lymphocyte proliferation; Autonomic nervous system; Sympathetic division; (Rat) (Flores, L.R. (318) 437)

Patch-clamp

Bladder detrusor, guinea pig; BK_{Ca} channel; Whole-cell recording; Inside-out single channel recording; Open-state probability (Hu, S. (318) 461)

PD155080

Endothelin-1; Endothelin receptor antagonist; Bosentan; Clearance; Half-life; Vascular effect (Hemsén, A. (318) 369)

Peptide YY

Neuropeptide Y; Pancreatic polypeptide; [Leu³¹,Pro³⁴]Peptide YY (Gehlert, D.R. (318) 485)

Pharmacophore

δ-Opioid receptor; Ligand binding thermodynamics; Model (Maguire, P.A. (318) 505)

Phencyclidine

Place conditioning paradigm; Place aversion; Place preference; (Rat) (Kitaichi, K. (318) 7)

Phencyclidine (PCP) receptor

σ Receptor; Dizocilpine; Head-weaving behavior; (Rat) (Kitaichi, K. (318) 205)

Phosphatidylinositol 3-kinase inhibitor

Wortmannin; Anti-angiogenic activity; Angiogenesis, embryonic; Chorioallantoic membrane (Oikawa, T. (318) 93)

Phosphoinositide

Rutaecarpine; Alkaloid; Platelet, human; cAMP; cGMP; Thromboxane A₂ (Sheu, J.-R. (318) 469)

Place aversion

Phencyclidine; Place conditioning paradigm; Place preference; (Rat) (Kitaichi, K. (318) 7)

Place conditioning paradigm

Phencyclidine; Place aversion; Place preference; (Rat) (Kitaichi, K. (318) 7)

Place preference

Phencyclidine; Place conditioning paradigm; Place aversion; (Rat) (Kitaichi, K. (318) 7)

Diabetes; Methamphetamine; Dopamine D₃ receptor; Mesolimbic dopamine system; 7-OH-DPAT (7-hydroxy-2-(di-*n*-propylamino)tetralin) (Kamei, J. (318) 251)

Platelet, human

Rutaecarpine; Alkaloid; cAMP; cGMP; Thromboxane A₂; Phosphoinositide (Sheu, J.-R. (318) 469)

Polyamine

Putrescine; Spermidine; Spermine; NMDA (*N*-methyl-D-aspartate); Motor activity; MK-801; Amphetamine; Theophylline; (Mouse) (Giménez-Llort, L. (318) 231)

Prostaglandin

Ureter; Histamine receptor; Histamine H₁ receptor; Histamine H₂ receptor; 5-HT (5-hydroxytryptamine, serotonin); Noradrenaline (Dodel, R.C. (318) 395)

Pulsed field gel electrophoresis

Hydrogen peroxide; L-Histidine; DNA double-strand breaks; Apoptosis; Necrosis (Palomba, L. (318) 167)

Purinergic transmission

Adrenergic transmission; Contractile response; Circular muscle; Development; Vas deferens; (Guinea pig) (Ren, L.-M. (318) 411)

Putrescine

Polyamine; Spermidine; Spermine; NMDA (*N*-methyl-D-aspartate); Motor activity; MK-801; Amphetamine; Theophylline; (Mouse) (Giménez-Llort, L. (318) 231)

Raclopride

Ethanol preference; Dopamine; SKF 38393; 7-OH-DPAT (7-hydroxy-2-(di-*n*-propylamino)tetralin); Risperidone; SCH 23390; (Rat) (Silvestre, J.S. (318) 257)

Raphe magnus

Descending inhibition; Nociception; Non-steroidal anti-inflammatory drug (Jones, S.L. (318) 37)

RB 101

Cholecystokinin; CCK-8; BC 264; CCK_B receptor antagonist; L-365,260; Devazepide; CCK_A receptor antagonist; Depression; Stress; Forced-swimming test; Enkephalin catabolism inhibitor (Hernando, F. (318) 221)

σ Receptor

Phencyclidine (PCP) receptor; Dizocilpine; Head-weaving behavior; (Rat) (Kitaichi, K. (318) 205)

Receptor activation

GLP-1 (glucagon-like peptide-1); GLP-1-(7–36) amide; GLP-1-(9–36) amide; GLP-1-(7–35); GLP-1-(7–34); Receptor binding; (Metabolite) (Knudsen, L.B. (318) 429)

Receptor binding

GLP-1 (glucagon-like peptide-1); GLP-1-(7–36) amide; GLP-1-(9–36) amide; GLP-1-(7–35); GLP-1-(7–34); Receptor activation; (Metabolite) (Knudsen, L.B. (318) 429)

Receptor cross-talk

5-HT (5-hydroxytryptamine, serotonin); Small-cell lung carcinoma; 5-HT receptor subtype (Vicentini, L.M. (318) 497)

Receptor dysfunction

Vagus nerve stimulation; Muscarinic M₂ receptor, prejunctional; Muscarinic receptor antagonist; Allergic reaction, early, late; Bronchial hyper-responsiveness; (Conscious, unrestrained guinea pig) (Ten Berge, R.E.J. (318) 131)

Risperidone

Ethanol preference; Dopamine; SKF 38393; Raclopride; 7-OH-DPAT (7-hydroxy-2-(di-*n*-propylamino)tetralin); SCH 23390; (Rat) (Silvestre, J.S. (318) 257)

Rutaecarpine

Alkaloid; Platelet, human; cAMP; cGMP; Thromboxane A₂; Phosphoinositide (Sheu, J.-R. (318) 469)

Salbutamol

Down-regulation; β_2 -Adrenoceptor; Salmeterol; Formoterol; Lung, human (Nishikawa, M. (318) 123)

Salivation

Tachykinin receptor antagonist; Substance P; Tachykinin NK₁ receptor; Blood pressure (Cellier, E. (318) 377)

Salmeterol

Down-regulation; β_2 -Adrenoceptor; Salbutamol; Formoterol; Lung, human (Nishikawa, M. (318) 123)

SAO (Splanchnic artery occlusion shock)

VLA-4 (very late antigen-4) integrin; VCAM-1 (vascular cell adhesion molecule-1); (Rat) (Squadrito, F. (318) 153)

Saphenous vein

Ventricular pacing, rapid; Heart failure; Dorsal pedal artery; α_1 -Adrenoceptor; 5-Methyl-urapidil (Forster, C. (318) 55)

Sarcoplasmic reticulum

Cyclopiazonic acid; Ca²⁺-ATPase; Smooth muscle; Stomach; Contraction (Petkov, G.V. (318) 109)

SCH 23390

Ethanol preference; Dopamine; SKF 38393; Raclopride; 7-OH-DPAT (7-hydroxy-2-(di-*n*-propylamino)tetralin); Risperidone; (Rat) (Silvestre, J.S. (318) 257)

Sf9

Opioid receptor; Baculovirus; 'High Five'; Insect cell (Obermeier, H. (318) 161)

SKF 38393

Ethanol preference; Dopamine; Raclopride; 7-OH-DPAT (7-hydroxy-2-(di-*n*-propylamino)tetralin); Risperidone; SCH 23390; (Rat) (Silvestre, J.S. (318) 257)

SKF 82958

Adenylyl cyclase; Nucleus accumbens; Caudate putamen; cAMP (Unterwald, E.M. (318) 31)

SK-N-BE(2) cell

Neuropeptide Y; Neuropeptide Y-(2–36); SK-N-MC cell; Autoradiography (Schober, D.A. (318) 307)

SK-N-MC cell

Neuropeptide Y; Neuropeptide Y-(2–36); SK-N-BE(2) cell; Autoradiography (Schober, D.A. (318) 307)

Small-cell lung carcinoma

5-HT (5-hydroxytryptamine, serotonin); Receptor cross-talk; 5-HT receptor subtype (Vicentini, L.M. (318) 497)

Smooth muscle

Ca²⁺ efflux; Ca²⁺, intracellular; α_1 -Adrenoceptor (Lum Min, S.A. (318) 97)

Cyclopiazonic acid; Ca²⁺-ATPase; Sarcoplasmic reticulum; Stomach; Contraction (Petkov, G.V. (318) 109)

Intestinal motility; Tachykinin receptor agonist; Tachykinin receptor antagonist (Parlani, M. (318) 419)

Smooth muscle, vascular

Endothelium; Hyperpolarization; Endothelin (Waldron, G.J. (318) 89)

S-nitrosothiol (stereoisomer)

Nitric oxide (NO); cGMP; Vascular smooth muscle (Travis, M.D. (318) 47)

Sodium nitroprusside

Vascular heterogeneity; Coronary artery, bovine; Glyceryl trinitrate; S-Nitroso-*N*-acetylpenicillamine; Isoprenaline (De la Lande, I.S. (318) 65)

Sorbinil

Aldose reductase; Anococcygeus muscle, rat; Diabetes; Nitrogenic neurotransmission; Nitric oxide (NO) (Way, K.J. (318) 101)

Spermidine

Polyamine; Putrescine; Spermine; NMDA (*N*-methyl-D-aspartate); Motor activity; MK-801; Amphetamine; Theophylline; (Mouse) (Giménez-Llort, L. (318) 231)

Spermine

Polyamine; Putrescine; Spermidine; NMDA (*N*-methyl-D-aspartate); Motor activity; MK-801; Amphetamine; Theophylline; (Mouse) (Giménez-Llort, L. (318) 231)

Spinal cord

Flexor reflex; Galanin; GMAP (galanin message-associated peptide), fragments; Nociception (Xu, X.-J. (318) 301)

Pain; Nociception; 5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1A} receptor; 8-OH-DPAT (8-hydroxy-2-(di-*n*-propylamino)tetralin); WAY100635 (Gjerstad, J. (318) 315)

Spinal cord, rat

Glycine receptor, strychnine-sensitive; [³H]Strychnine binding; Autoradiography; Thiocolchicoside; Myorelaxant agent (Cimino, M. (318) 201)

SR-141,716 A

Analgesia; Morphine; Opioid; Δ^9 -Tetrahydrocannabinol; Dynorphin; Nor-binaltorphimine; β -Funaltrexamine; DAMGO ([D-Ala², *N*-Me-Phe⁴, Gly-o1⁵]enkephalin) (Reche, I. (318) 11)

Stomach

Cyclopiazonic acid; Ca²⁺-ATPase; Sarcoplasmic reticulum; Smooth muscle; Contraction (Petkov, G.V. (318) 109)

Stomach fundus, rat

5-HT receptor; Contractile response; Acetylcholine release (Amemiya, N. (318) 403)

Streptozotocin-diabetic rat

ACTH-(4–9) analogue; Org 2766; Adrenergic responsiveness; Nerve blood flow; Macrocirculatory blood flow (Van Buren, T. (318) 73)

Stress

Cholecystokinin; CCK-8; BC 264; CCK_B receptor antagonist; L-365,260; Devazepide; CCK_A receptor antagonist; Depression; Forced-swimming test; RB 101; Enkephalin catabolism inhibitor (Hernando, F. (318) 221)

Striatum

Microdialysis, brain; Cocaine; Dopamine; 5-HT (5-hydroxytryptamine, serotonin) (Norton, C.S. (318) 323)

Striatum, mouse

Nicotine; Tolerance; Dopamine metabolism; Dopamine receptor (Pietilä, K. (318) 17)

Structure-activity relationship

γ -MSH (γ -melanocyte-stimulating hormone) fragment; ACTH (adrenocorticotrophic hormone) fragment; Blood pressure; Heart rate; Cerebral blood flow; (Rat) (Van Bergen, P. (318) 357)

Substance P

Tachykinin receptor antagonist; Tachykinin NK₁ receptor; Salivation; Blood pressure (Cellier, E. (318) 377)

Suplatast tosilate

Airway inflammation; Airway hyperresponsiveness; Eosinophil; Lymphocyte; T cell (Taniguchi, H. (318) 447)

Sympathetic division

Opioid; Immunity; Lymphocyte proliferation; Autonomic nervous system; Parasympathetic division; (Rat) (Flores, L.R. (318) 437)

Tachykinin NK₁ receptor

Tachykinin receptor antagonist; Substance P; Salivation; Blood pressure (Cellier, E. (318) 377)

Tachykinin receptor agonist

Smooth muscle; Intestinal motility; Tachykinin receptor antagonist (Parlani, M. (318) 419)

Tachykinin receptor antagonist

Substance P; Tachykinin NK₁ receptor; Salivation; Blood pressure (Cellier, E. (318) 377)

Smooth muscle; Intestinal motility; Tachykinin receptor agonist (Parlani, M. (318) 419)

T cell

Suplatast tosilate; Airway inflammation; Airway hyperresponsiveness; Eosinophil; Lymphocyte (Taniguchi, H. (318) 447)

Δ^9 -Tetrahydrocannabinol

Analgesia; Morphine; Opioid; SR-141,716 A; Dynorphin; Nor-binaltorphimine; β -Funaltrexamine; DAMGO ([D-Ala², N-Me-Phe⁴, Glyol⁵]enkephalin) (Reche, I. (318) 11)

Thalamus

α_1 -Adrenoceptor; α_{1A} -Adrenoceptor; α_{1B} -Adrenoceptor; α_{1C} -Adrenoceptor; Inositol phosphate (Trejo, F. (318) 175)

GABA_B receptor; Microdialysis; Aspartate; Glutamate (Nyitrai, G. (318) 295)

Theophylline

Polyamine; Putrescine; Spermidine; Spermine; NMDA (*N*-methyl-D-aspartate); Motor activity; MK-801; Amphetamine; (Mouse) (Giménez-Llort, L. (318) 231)

Thiocolchicoside

Glycine receptor, strychnine-sensitive; [³H]Strychnine binding; Spinal cord, rat; Autoradiography; Myorelaxant agent (Cimino, M. (318) 201)

Thromboxane A₂

Rutaecarpine; Alkaloid; Platelet, human; cAMP; cGMP; Phosphoinositide (Sheu, J.-R. (318) 469)

TJN-505

Aconitine; Antiarrhythmic drug; Arrhythmia model, canine (Arita, J. (318) 333)

Tolerance

Nicotine; Dopamine metabolism; Striatum, mouse; Dopamine receptor (Pietilä, K. (318) 17)

Neuropathic pain; Mononeuropathic rat; Morphine; Opioid receptor agonist (Catheline, G. (318) 273)

Toxicity

ACPC (1-aminocyclopropanecarboxylic acid); Neuroprotection; NMDA receptor; Neuronal injury; Glycine; Excitatory amino acid (Lin, Y. (318) 491)

Tranilast

Hyperplasia, intimal; Balloon injury; Cholesterol, high (Fukuyama, J. (318) 327)

UR-7280

Angiotensin AT₁ receptor; Angiotensin II; Binding; Losartan; Aorta, rabbit (De Arriba, A.F. (318) 341)

Ureter

Histamine receptor; Histamine H₁ receptor; Histamine H₂ receptor; 5-HT (5-hydroxytryptamine, serotonin); Prostaglandin; Noradrenaline (Dodel, R.C. (318) 395)

Urinary bladder

5-HT (5-hydroxytryptamine, serotonin); 5-HT₃ receptor; Electrical field stimulation; (Rabbit) (Barras, M. (318) 425)

Vagus nerve stimulation

Muscarinic M₂ receptor, prejunctional; Receptor dysfunction; Muscarinic receptor antagonist; Allergic reaction, early, late; Bronchial hyperresponsiveness; (Conscious, unrestrained guinea pig) (Ten Berge, R.E.J. (318) 131)

Vanadyl sulphate

Endocrine pancreas; Insulin secretion; (Rat) (Cadène, A. (318) 145)

Vascular effect

Endothelin-1; Endothelin receptor antagonist; Bosentan; PD155080; Clearance; Half-life (Hemsén, A. (318) 369)

Vascular heterogeneity

Coronary artery, bovine; Glyceryl trinitrate; *S*-Nitroso-*N*-acetylpenicillamine; Sodium nitroprusside; Isoprenaline (De la Lande, I.S. (318) 65)

Vascular smooth muscle

S-nitrosothiol (stereoisomer); Nitric oxide (NO); cGMP (Travis, M.D. (318) 47)

Vas deferens

Adrenergic transmission; Purinergic transmission; Contractile response; Circular muscle; Development; (Guinea pig) (Ren, L.-M. (318) 411)

VCAM-1 (vascular cell adhesion molecule-1)

VLA-4 (very late antigen-4) integrin; SAO (Splanchnic artery occlusion shock); (Rat) (Squadrito, F. (318) 153)

Ventricular pacing, rapid

Heart failure; Dorsal pedal artery; Saphenous vein; α_1 -Adrenoceptor; 5-Methyl-urapidil (Forster, C. (318) 55)

Visceral hypersensitivity

5-HT₃ receptor antagonist; Colonic distension; (Rat) (Langlois, A. (318) 141)

VLA-4 (very late antigen-4) integrin

VCAM-1 (vascular cell adhesion molecule-1); SAO (Splanchnic artery occlusion shock); (Rat) (Squadrito, F. (318) 153)

WAY100635

Spinal cord; Pain; Nociception; 5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1A} receptor; 8-OH-DPAT (8-hydroxy-2-(di-*n*-propylamino)tetralin) (Gjerstad, J. (318) 315)

Whole-cell recording

Bladder detrusor, guinea pig; Patch-clamp; BK_{Ca} channel; Inside-out single channel recording; Open-state probability (Hu, S. (318) 461)

Working memory

D-Cycloserine; Glycine site; NMDA receptor; Acetylcholine; Hippocampus (Ohno, M. (318) 267)

Wortmannin

Phosphatidylinositol 3-kinase inhibitor; Anti-angiogenic activity; Angiogenesis, embryonic; Chorioallantoic membrane (Oikawa, T. (318) 93)